

Drawing Checklist



The ultimate objective of a set of drawings is to allow someone who is unfamiliar with the project to quickly obtain a clear understanding of what is proposed and how the impacted waterbody and/or wetlands will be affected. Drawings should be originals and not reduced copies of large-scale plans. Engineering drawings are not required. Existing and proposed site conditions (manmade and landscape features) should be drawn to scale.

Sheet 1 should be a site/vicinity map, Sheet 2 should be a plan view that shows the existing conditions, Sheet 3 should show the location and dimensions of the proposed work, Sheet 4 should show a cross sectional or elevation view of the proposed work. Every drawing should have a Title Block. Additional information can be found on our website: http://www.nws.usace.army.mil/ (click on "Regulatory/Permits")

1. GENERAL GUIDELINES AND USEFUL INFORMATION TO INCLUDE ON DRAWINGS

()	Use clear black lettering and the fewest number of pages necessary; use 8 ½- by 11-inch paper
	Even if drawings are created by hand please use a graphic scale
()	Vertical and horizontal scales should use the same units of measure
()	Vicinity maps and plan drawings must include an accurate North Arrow
()	Descriptions/types of substrate can be included on drawings along with photographs
()	Critical habitat and/or known essential fish habitat can be indicated on drawings along with surveys
	A drawing with the existing water features overlaid with the proposed project would be helpful

2. TITLE BLOCK EXAMPLES

() A completed title block (first example) should be on the first page; for subsequent sheets you can use the smaller abbreviated form (second example)

REFERENCE: (USACE will provide) LOCATION:			PROPOSED PROJECT:	
	(address/interse	ction/ parcel number)	(<u>short description</u>)	
APPLICANT:				
	LAT/LONG:		IN: (<u>waterbody</u>)	
ADJACENT PROPERTY OWNERS:			NEAR/AT: (closest city or town)	
1. (<u>include name/parcel on plan view</u>)			COUNTY: (<i>county</i>)	
2. (include name/parcel on plan view)	PAGE # OF #	DATE: (last revised)	STATE: <u>WA</u>	

Reference Number: Applicant Name:	
Proposed Project:	
Location:	
Sheet # of #	Date:

3. VICINITY MAP

- () Show and label location of each *project area* (e.g. circle the perimeter, use an arrow, etc.)
- () Show and label location of each *mitigation site*, if applicable
- () List latitude, longitude, section, township, and range and parcel numbers a parcel map can be helpful
- () Show and label all waterways (e.g. ditches, wetlands, ponds, streams, rivers, lakes, inlets, oceans, etc.)
- () Show roads, streets, and/or mileage to nearest town or city limits
- () The map should be zoomed out enough to show the area but detailed enough to see landmarks for context

4. PLAN VIEWS

()	Marine/tidal waters: Mean High Water (MHW)/High Tide Line (HTL)
()	Freshwater wetlands, bogs, fens, lakes, streams, etc: Ordinary High Water (OHW)/Wetland boundaries
()	Waters, including wetlands and other features extending across property boundaries
()	Show dimensions of proposed and existing structures
()	Existing conditions (on a sheet separate from proposed conditions)
()	Indicate location, quantity, and type of fill and excavation (area and volume)
()	Direction of currents, if known (e.g. tidal ebb, drift cells, creek flow, etc.)

5. ELEVATION AND/OR SECTION VIEWS

(,	Label shorelines with the MHW line, I	HIL line, OHW line, and/o	or wetland boundary, as	appropriate
(Show original and proposed elevations	s, water depths, dimensions	of proposed structures	or fills, and pertine

() Show original and proposed elevations, water depths, dimensions of proposed structures or fills, and pertinent vertical dimensions to top and base of structure/fill; use the same vertical and horizontal scale

6. DRAWINGS INVOLVING DREDGING AND/OR THE DISPOSAL OF DREDGED MATERIAL

If proposing to discharge dredged material in one of the Dredged Material Management Program Disposal (DMMP) sites, another in-water disposal site, or as beach nourishment the information below should be submitted:

() Include pages with all applicable items in Sections 1-5 of this document
() In-water disposal site name (if applicable) with coordinates and boundaries (see Note)
() Upland/beach "beneficial use" disposal site coordinates and boundaries
() If using an in-water disposal site specify the type (non-dispersive or dispersive)
() Identify the barge positioning method (either the U.S. Coast Guard Vessel Traffic Service and/or a differential
GPS used in conjunction with the National Dredging Quality Management Program automated monitoring system)

Note: The Dredged Material Management Office has printable maps of open-water disposal sites in Washington State. For maps and dredging project assistance go to the Seattle District website: http://www.nws.usace.army.mil/index.cfm

7. MITIGATION AND/OR PLANTING PLAN DRAWINGS

- () Include pages with all applicable items in Sections 1-5 of this document
- () Reference the title and date of the approved mitigation/planting plan (See Note)
- () Planting areas with key identifying specific species and plant spacing
- () Buffer areas and staging or construction access areas
- () Amounts and locations of temporary fill or excavation work (area and volume)
- () Structures, piers, piling, over-water floats, etc. to be removed for the purpose of mitigation

Note: See also 33 CFR Part 332.4(c) regarding the contents of a mitigation plan

8. DRAWINGS FOR AQUACULTURE PROJECTS

- () Include pages with all applicable items in Sections 1-5 of this document
- () Include the county parcel numbers; a parcel map is helpful
- () Show and label the current project area including fallow areas (see Note)
- () Show and label areas proposed for expansion or new aquaculture activities
- () Specify species, methodologies using a key (e.g., long-line Pacific oysters, tube culture of geoduck, etc.)
- () Identify areas with canopy predator nets
- () Identify the latitude and longitude for each corner of the project area
- () Show and label areas with eelgrass, kelp, or mudflats

Note: For the purposes of Nationwide Permit 48, *Commercial Shellfish Aquaculture Activities*, the project area is the area in which the operator is currently authorized to conduct commercial shellfish aquaculture activities, as identified through a lease or permit issued by an appropriate state or local government agency, a treaty, or any other easement, lease, deed, or contract which establishes an enforceable property interest for the operator.